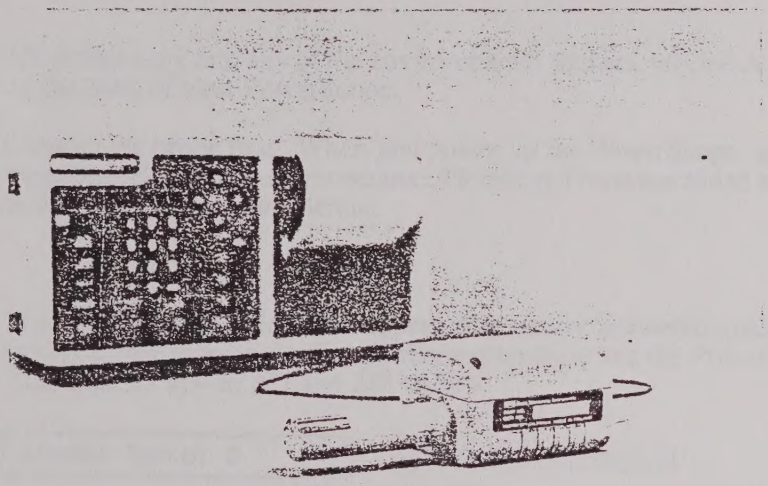

A-003 Temperature/Humidity Probe

The A-003 Temperature/Humidity Probe measures temperature, humidity, temperature rate-of-change and humidity rate-of-change. The Temperature/Humidity Probe enables the PowerScope to print text reports and graphs of temperature and humidity.

FAILURE TO RETURN THIS ITEM
WILL RESULT IN A MINIMUM CHARGE OF

BMI Basic Measuring Instruments

GE Rental/Lease
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Failure to return this item will result in a minimum charge of $100.00
1-800-GE-RENTS GE-11

Temperature/ Humidity Probe

The A-003 Temperature/Humidity Probe measures temperature, humidity, temperature rate-of-change and humidity rate-of-change.

Connecting the probe

All probes plug into any of the environmental sockets, labeled A through H, on the back of your PowerScope.

Connect the probe first. When you power up the PowerScope, additional questions relating to the Temperature/Humidity Probe are added automatically to the Setup and Report Menus.

Setup Menu

The questions that follow will appear after you've answered questions for setting power thresholds. For further explanation see the PowerScope User's Guide, pages 264 to 271 and 288 to 291.

Sensor Setup: B	Selections: A through H
Name: AIR DUCT	Enter up to 9 characters
AIR DUCT high: 86°F	Selections: 32°F to 212°F (1°C to 100°C)
AIR DUCT low: 59°F	Selections: 32°F to 210°F (1°C to 99°C)
AIR DUCT 5°F/hr	Selections: 2°F/hr to 178°F/hr (1°C/hr to 99°C/hr)
AIR DUCT high: 70%RH	Selections: 1% to 99% Relative Humidity
AIR DUCT low: 30%RH	Selections: 1% to 99% Relative Humidity
AIR DUCT: 10% RH/hr	Selections: 0% RH/hr to 99% RH/hr

Report Menu

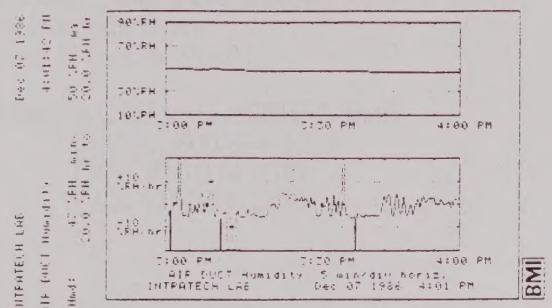
The questions that follow will appear after you've selected report options, that is after selecting the last impulse report.

AIR DUCT TMP: Both	Selections: Both, 1 Hour, Text, Off
AIR DUCT Hmd: Both	Selections: Both, 1 Hour, Text, Off

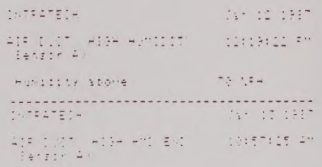
Use the Key Operator Menu to select temperature units, Centigrade or Fahrenheit. See page 308 in the User's Guide for further details.

Graphs and Reports

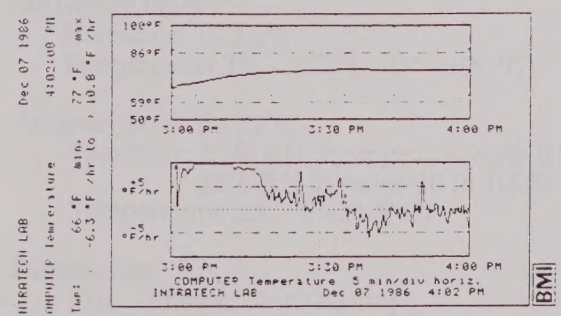
The A-003 Temperature/Humidity probe enables the PowerScope to print long-term summary strip charts and text disturbance reports of temperature, rate-of-temperature change, humidity and rate-of-humidity change.



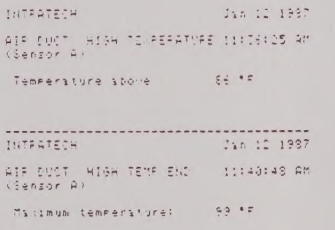
Humidity and rate-of-humidity change strip chart.


INTRATECH Jan 10 1987
AIR DUCT HIGH HUMIDITY 11:13:21 AM
(Sensor A)
Humidity above 70 %RH
INTRATECH Jan 10 1987
AIR DUCT HIGH HUM END 11:57:25 AM
(Sensor A)
Maximum humidity: 84 %RH

Text disturbance report.



Temperature and rate-of temperature change strip chart.


INTRATECH Jan 10 1987
AIR DUCT HIGH TEMPERATURE 11:38:25 AM
(Sensor A)
Temperature above 86 °F
INTRATECH Jan 10 1987
AIR DUCT HIGH TEMP END 11:40:48 AM
(Sensor A)
Maximum temperature: 99 °F

Text disturbance report.

Important Points in Humidity Measure-ment

To ensure accurate readings from your probe, allow it to thermally stabilize to the environment you are going to monitor. In addition, maintaining proper ventilation will help prevent moisture from condensing on its internal sensor. Water condensation on the sensor will result in erroneous readings.

Sensor Protection

The sensor in your temperature/humidity probe is protected by a plastic guard and sintered filter. DO NOT REMOVE THESE PIECES. If erroneous readings occur under normal operating conditions, return the probe to the factory.

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Calibration

The A-003 Temperature/Humidity probe is calibrated when it is sent to you from the factory. Recalibration is recommended at least twice a year due to the sensitive nature of the humidity probe. To order recalibration, call BMI Customer Service Department for a Return Authorization number, then send the probe to:

BMI
Customer Service Department
335 Lakeside Drive
Foster City, CA 94404

Phone: In California, 800/451-3040
In U.S., 800/634-1233
TWX 910.374.3059
FAX 415/574-2176

Specifications

Measuring range:
Humidity: 0-100%
Temperature: 32° - 212°F (0° - 100°C)

Accuracy at 68°F (20°C):
Humidity: ±3% RH in range 0 to 80% RH
±5% RH in range 80 to 100% RH
Temperature: ±3.0°F (±1.5°C)

Dimensions:
Box: Length: 4 in (10 cm)
Width: 3.5 in (9 cm)
Height: 2.5 in (6 cm)
Tube: Length: 3.8 in (9.7 cm)
Diameter: 0.90 in (3 cm)

Weight: 5.6 oz (160 g)

BMI
Basic Measuring Instruments
335 Lakeside Drive
Foster City, CA 94404
(415) 570-5355

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